

**DEVICE AND METHOD FOR ESTABLISHING AN ARTIFICIAL ISOLATED  
CIRCULATION IN A TARGET AREA OF A HUMAN OR ANIMAL BODY**

Abstract of the Disclosure

A device for establishing an isolated perfusion including a pump arrangement, a venous catheter, and an arterial catheter, for establishing an artificial circulation in a target area of a human or animal body, which artificial circulation is isolated from the systemic circulation. The device has first means for feeding an analysis gas into the artificial circulation, and second means for monitoring whether a blood exchange takes place between the artificial circulation and the systemic circulation.